

SELF-SEALING MATERIALS AND DEVICES COMPRISING SAME

ABSTRACT

This invention relates to gas- or liquid-permeable materials that seal when exposed
5 to water and methods of making such materials. In general, materials of this invention
comprise a hydrogel adhered to pore walls of a porous substrate.

The invention further relates to devices comprising self-sealing materials including,
but not limited to, pipette tips, containers, intravenous liquid delivery systems, and syringe
caps.